



# Material Safety Data Sheet

## Super Instant® Epoxy

MSDS No. 70A

Date of Preparation: May 27, 2007

Revision: 0010

### Section 1 - Chemical Product and Company Identification

**Product/Chemical Name:** Super Instant® Part A

**Other Designations:** Formulated Epoxy

**General Use:** Adhesive

**Manufacturer:** Smooth-On Inc., 2000 St. John St., Easton PA 18042

(610) 252-5800, FAX (610) 252-6200

**Emergency Contact:** Chem-Tel

Domestic 800-255-3924

International 813-248-0585

### Section 2 - Composition / Information on Ingredients

Component	CAS Number	ACGIH TWA	Exposure Limits OSHA PEL	Weight Percent (%)
Diglycidyl Ether of Bisphenol A	25068-38-6	None Established	None Established	<b>85-90</b>
Silica, Amorphous	112945-52-5	6mg/m <sup>3</sup> as dust	10mg/m <sup>3</sup> as dust	<b>2-5</b>

### Section 3 - Hazards Identification

☆☆☆☆☆ Emergency Overview ☆☆☆☆☆

#### Potential Health Effects

**Primary Entry Routes:** Skin

**Acute Effects**

**Inhalation:** unlikely unless heated

**Eye:** can cause irritation

**Skin:** can cause irritation

**Ingestion:** Unknown

**Carcinogenicity:** IARC, NTP, and OSHA do not list any components of this product as a carcinogen.

**Medical Conditions Aggravated by Long-Term Exposure:** preexisting eye and skin disorders may be aggravated by exposure.

HMIS	
H	2
F	1
R	0

### Section 4 - First Aid Measures

**Inhalation:** Remove to fresh air: if breathing is labored seek medical attention.

**Eye Contact:** Flush with water for 15 minutes: seek medical attention

**Skin Contact:** remove with soap and water: if redness or rash develops seek medical attention: Launder contaminated clothing before reuse.

**Ingestion:** seek medical attention

*After first aid, get appropriate in-plant, paramedic, or community medical support.*

### Section 5 - Fire-Fighting Measures

**Flash Point:** >392 °F (200 °C)

**Flash Point Method:** PMCC

**Flammability Classification:** Non-Flammable

**Extinguishing Media:** Foam, Dry Chemical, and Carbon Dioxide

**Unusual Fire or Explosion Hazards:** None

**Hazardous Combustion Products:** Oxides of Nitrogen and Carbon, Acids and Aldehydes when burned.

**Fire-Fighting Instructions:** Do not release runoff from fire control methods to sewers or waterways.

**Fire-Fighting Equipment:** Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full face piece operated in pressure-demand or positive-pressure mode.



### Section 6 - Accidental Release Measures

#### Spill /Leak Procedures

**Containment:** Dike and contain for later disposal. Do not release into sewers or waterways.

**Cleanup:** Scrape up excess.

**Regulatory Requirements:** Follow applicable OSHA regulations (29 CFR 1910.120).

### Section 7 - Handling and Storage

**Handling Precautions:** Avoid prolonged or repeated skin contact. Use good general housekeeping procedures.

**Storage Requirements:** Store in Closed containers. Use only with adequate ventilation.

### Section 8 - Exposure Controls / Personal Protection

#### Engineering Controls:

**Ventilation:** Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs (Sec. 2). Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

#### Administrative Controls:

**Respiratory Protection:** Seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear an MSHA/NIOSH-approved respirator. Select respirator based on its suitability to provide adequate worker protection for given working conditions, level of airborne contamination, and presence of sufficient oxygen. For emergency or nonroutine operations (cleaning spills, reactor vessels, or storage tanks), wear an SCBA. *Warning! Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.* If respirators are used, OSHA requires a written respiratory protection program that includes at least: medical certification, training, fit testing, periodic environmental monitoring, maintenance, inspection, cleaning, and convenient, sanitary storage areas.

**Protective Clothing/Equipment:** Wear chemically protective gloves, boots, and aprons to prevent prolonged or repeated skin contact. Wear protective eyeglasses or chemical safety goggles, per OSHA eye- and face-protection regulations (29 CFR 1910.133). Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses.

### Section 8 - Exposure Controls / Personal Protection (continued)

**Safety Stations:** Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

**Contaminated Equipment:** Separate contaminated work clothes from street clothes. Launder before reuse. Remove this material from your shoes and clean personal protective equipment.

**Comments:** Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics..

### Section 9 - Physical and Chemical Properties

**Physical State:**

**Appearance and Odor:** Translucent Paste; mild odor

**Vapor Pressure:** None (Polymeric Resin)

**Vapor Density (Air=1):** None (Polymeric Resin)

**Specific Gravity (H<sub>2</sub>O=1, at 4 °C):** 1.17

**Water Solubility:** negligible

**Boiling Point:** None (Polymeric Resin)

**Freezing/Melting Point:** None (Polymeric Resin)

**Evaporation Rate:** None (Polymeric Resin)

**Viscosity:** 18 poise

### Section 10 - Stability and Reactivity

**Stability:** Super Instant Epoxy Part A is stable at room temperature in closed containers under normal storage and handling conditions.

**Polymerization:** Hazardous polymerization cannot occur.

**Chemical Incompatibilities:** Strong oxidizing agents, strong Lewis or mineral acids.

**Conditions to Avoid:** Mixing with Amines under uncontrolled conditions.

**Hazardous Decomposition Products:** Thermal oxidative decomposition of Super Instant Epoxy Part A can produce: Oxides of Nitrogen and Carbon, Acids and Aldehydes when burned.

### Section 11 - Toxicological Information

**Toxicity Data:\***

**Eye Effects:** Irritation

**Skin Effects:** Irritation

**Carcinogenicity:** None

**Mutagenicity:** None Determined

**Teratogenicity:** None Determined

### Section 12 - Ecological Information

None Determined

### Section 13 - Disposal Considerations

**Disposal:** Contact your supplier or a licensed contractor for detailed recommendations. Follow applicable Federal, state, and local regulations.

### Section 14 - Transport Information

**DOT**  
Not Regulated

**IATA**  
Not Regulated

**IMDG**  
Not Regulated

### Section 15 - Regulatory Information

**RCRA Hazardous Waste Number:** Not listed (40 CFR 261.33): None

**RCRA Hazardous Waste Classification** (40 CFR 261): Not classified

**CERCLA Hazardous Substance (40 CFR 302.4)** unlisted specific per RCRA, Sec. 3001; CWA, Sec. 311 (b)(4); CWA, Sec. 307(a), CAA, Sec. 112

**CERCLA Reportable Quantity (RQ),** None

**SARA 311/312 Codes:** None

**SARA Toxic Chemical (40 CFR 372.65):** None

**SARA EHS (Extremely Hazardous Substance) (40 CFR 355):** Not listed,

**EPA Regulations:** This material is not considered a hazardous material **TSCA Inventory Status (40CFR710):** All components of this formula are on the TSCA inventory

California Proposition 65: This product contains a trace amount of Epichlorohydrin, which has been identified by the state California to cause cancer.

### Section 16 - Other Information

**Prepared By:** Dominick J. Finocchio

**Title:** Technical Director

**Disclaimer:** The information contained in this MSDS is considered accurate as of the version date. However, no warranty is expressed or implied regarding the accuracy of the data. Since the use of this product is not within the control of Smooth-On Inc., it is the user's obligation to determine the suitability of the product for its intended application and assumes all risk and liability for its safe use.



# Material Safety Data Sheet

## Super Instant® Epoxy

MSDS No. 70A

Date of Preparation: May 27, 2007

Revision: 0010

### Section 1 - Chemical Product and Company Identification

**Product/Chemical Name:** Super Instant® Part B

**Other Designations:** Formulated Mercaptan

**Manufacturer:** Smooth-On Inc., 2000 St. John St., Easton PA 18042, and Phone (610) 252-5800, FAX (610) 252-6200

**Emergency Contact:** Chem-Tel

Domestic 800-255-3924

International 813-248-0585

### Section 2 - Composition / Information on Ingredients

Component	CAS Number	ACGIH TWA	Exposure Limits OSHA PEL	Weight Percent (%)
Mercaptan Polymer	Trade Secret	None Established	None Established	<b>90-95</b>
Silica, Amorphous	112945-52-5	6mg/m <sup>3</sup> as dust	10mg/m <sup>3</sup> as dust	<b>5-7</b>
1,4 Diazabicyclo [2.2.2.] octane	280-57-9	None Established	None Established	<b>1-3</b>

### Section 3 - Hazards Identification

☆☆☆☆☆ Emergency Overview ☆☆☆☆☆

#### Potential Health Effects

HMIS	
H	1
F	1
R	0

**Primary Entry Routes:** Skin

#### Acute Effects

**Inhalation:** prolonged or repeated breathing of vapors may cause irritation to respiratory tract

**Eye:** can cause irritation

**Skin:** can cause irritation

**Ingestion:** Unknown

**Carcinogenicity:** IARC, NTP, and OSHA do not list any components of this product as a carcinogen.

**Medical Conditions Aggravated by Long-Term Exposure:** preexisting eye and skin disorders may be aggravated by exposure.

### Section 4 - First Aid Measures

**Inhalation:** Remove to fresh air: if breathing is labored seek medical attention.

**Eye Contact:** Flush with water for 15 minutes: seek medical attention

**Skin Contact:** remove with soap and water: if redness or rash develops seek medical attention: Launder contaminated clothing before reuse.

**Ingestion:** seek medical attention

*After first aid, get appropriate in-plant, paramedic, or community medical support.*

### Section 5 - Fire-Fighting Measures

**Flash Point:** >200 °F (90 °C)

**Flash Point Method:** PMCC

**Flammability Classification:** Non-Flammable

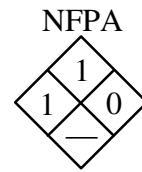
**Extinguishing Media:** Foam, Dry Chemical, and Carbon Dioxide

**Unusual Fire or Explosion Hazards:** None

**Hazardous Combustion Products:** Oxides of Nitrogen and Carbon, Acids and Aldehydes when burned

**Fire-Fighting Instructions:** Do not release runoff from fire control methods to sewers or waterways.

**Fire-Fighting Equipment:** Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full face piece operated in pressure-demand or positive-pressure mode.



### Section 6 - Accidental Release Measures

#### Spill /Leak Procedures

**Containment:** Dike and contain for later disposal. Do not release into sewers or waterways.

**Cleanup:** Scrape up excess.

**Regulatory Requirements:** Follow applicable OSHA regulations (29 CFR 1910.120).

### Section 7 - Handling and Storage

**Handling Precautions:** Avoid prolonged or repeated skin contact. Use good general housekeeping procedures.

**Storage Requirements:** Store in Closed containers. Use only with adequate ventilation.

### Section 8 - Exposure Controls / Personal Protection

#### Engineering Controls:

**Ventilation:** Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs (Sec. 2). Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

#### Administrative Controls:

**Respiratory Protection:** Seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear an MSHA/NIOSH-approved respirator. Select respirator based on its suitability to provide adequate worker protection for given working conditions, level of airborne contamination, and presence of sufficient oxygen. For emergency or nonroutine operations (cleaning spills, reactor vessels, or storage tanks), wear an SCBA. *Warning! Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.* If respirators are used, OSHA requires a written respiratory protection program that includes at least: medical certification, training, fit testing, periodic environmental monitoring, maintenance, inspection, cleaning, and convenient, sanitary storage areas.

### Section 8 - Exposure Controls / Personal Protection

**Protective Clothing/Equipment:** Wear chemically protective gloves, boots, and aprons to prevent prolonged or repeated skin contact. Wear protective eyeglasses or chemical safety goggles, per OSHA eye- and face-protection regulations (29 CFR 1910.133). Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses.

**Safety Stations:** Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

**Contaminated Equipment:** Separate contaminated work clothes from street clothes. Launder before reuse. Remove this material from your shoes and clean personal protective equipment.

**Comments:** Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

### Section 9 - Physical and Chemical Properties

**Physical State:**

**Appearance and Odor:** Clear Amber Paste  
Mercaptan Odor

**Vapor Pressure:** None (Polymeric Resin)

**Vapor Density (Air=1):** None

**Specific Gravity (H<sub>2</sub>O=1, at 4 °C):** 1.16

**Water Solubility:** negligible

**Boiling Point:** None (Polymeric Resin)

**Freezing/Melting Point:** Evaporation Rate:  
None (Polymeric Resin)

**Viscosity:** 400 poise

### Section 10 - Stability and Reactivity

**Stability:** Super Instant Epoxy Part B is stable at room temperature in closed containers under normal storage and handling conditions.

**Polymerization:** Hazardous polymerization cannot occur.

**Chemical Incompatibilities:** Strong oxidizing agents, strong Lewis or mineral acids.

**Conditions to Avoid:** Mixing with Epoxies under uncontrolled conditions.

**Hazardous Decomposition Products:** Thermal oxidative decomposition of Super Instant Epoxy Part B can produce: Oxides of Nitrogen and Carbon, Acids and Aldehydes when burned

### Section 11 - Toxicological Information

**Toxicity Data:\***

**Eye Effects:** Irritation

**Skin Effects:** Irritation

**Carcinogenicity:** None

**Mutagenicity:** None Determined

**Teratogenicity:** None Determined

### Section 12 - Ecological Information

None Determined

### Section 13 - Disposal Considerations

**Disposal:** Contact your supplier or a licensed contractor for detailed recommendations. Follow applicable Federal, state, and local regulations.

### Section 14 - Transport Information

**DOT**  
Not Regulated

**IATA**  
Not Regulated

**IMDG**  
Not Regulated

### Section 15 - Regulatory Information

**EPA Regulations:** This material is not considered a hazardous material.

**RCRA Hazardous Waste Number:** Not listed (40 CFR 261.33): None

**RCRA Hazardous Waste Classification (40 CFR 261):** Not classified

**CERCLA Hazardous Substance (40 CFR 302.4)** unlisted specific per RCRA, Sec. 3001; CWA, Sec. 311 (b)(4); CWA, Sec. 307(a), CAA, Sec. 112

**CERCLA Reportable Quantity (RQ),** None

**SARA 311/312 Codes:** None

**SARA Toxic Chemical (40 CFR 372.65):** None

**SARA EHS (Extremely Hazardous Substance) (40 CFR 355):** Not listed,

**TSCA Inventory Status (40CFR710):** All components of this formula are on the TSCA inventory

**California Proposition 65:** This product does not intentionally contain any chemicals, which have been identified by the state California to cause cancer, birth defects or other reproductive harm.

### Section 16 - Other Information

**Prepared By:** Dominick J. Finocchio

**Title:** Technical Director

**Disclaimer:** The information contained in this MSDS is considered accurate as of the version date. However, no warranty is expressed or implied regarding the accuracy of the data. Since the use of this product is not within the control of Smooth-On Inc., it is the user's obligation to determine the suitability of the product for its intended application and assumes all risk and liability for its safe use.